second half of 2015

GY G. Pharm

Sim III

QP Code: 21750

(3 Hours)

[Total Marks : 70

N.B. : (1) All questions are compulsory

	1	(a)	no of ATP are synthesized in Boxitation of Palmitic acid.	1
		(b)	Draw the structure of 2 purine bases of DNA	1
		(c)	Name the initiation coden and it's respective aminoacid.	1
			Define 'Glycolysis' and write the role of phospho fructokinase in glycolysis.	2
			Name the enzyme used in conversion of pyruvic acid to ethanol.	2
		(1)	Name two dugs used to descrease serum cholestorol level.	2
7		(g)	Name any two diseases due to disorders of pyrimidine metabolism.	2
5			What is telemerase name any two drugs inhibiting the same.	2
add		1.4	What is promoter region name any two promoter regions in sucaryotic cells.	2
MUadda.com	2.	(a)	Give the names and structures of the substrates and products of the following	4
_			enzyme reaction (any two)	
			(i) Pyrurate dehydrogenase.	
		1	(ii) Lactate dehydroganate.	
			(iii) HMG CoA lyase.	
		(b)	Write the name of enzyme eatalyting following reaction.	4
			(i) Fructose to fuctose 6-phosphate	
\leq			(ii) Ionosine monophosphate to xanti osine monophosphate	
Ja			(iii) α-D-Glucose-6 phaspate to D - Fructose -6-phosphate.	
b		E.	(iv) Acyl-camitine to Acyl-CoA	
MUadda.com		(c)	Describe multiprotein complexes in Electron transport chain.	3
B	3	in	Describe Energy investment phase and splitting phase of EMP pathway.	4
	100.0		Write the types and specific functions of DNA polymerase in encaryotic cell.	4
		181 251	Explain ketone body synthesis.	3
		Sec.	Copini teroire body of transmi	_
	4.	(a)	Explain post transcriptional modifications in eucaryotic cell.	4
			Write the reactions and enzymes involved in synthesis of AMP and GMP using IMP	4
			Explain reactions of B exidation occurring in mitochondrial matrix.	3
	5.	(11)	Describe the process of DNA Sequencing by sanger's method.	4
			Explain the process of solid phase peptde synthesis.	4
		(0)	Explain - Glyoxylate shunt.	3
		3		
	6.	(a)	Write note on DNA polymorphism	3
		(h)	Draw the salvage pathway for purine nucleotide biosynthesis.	3
		10)	Differentiate between oxidative and substrate level phosphorylation	3
	.13		Enlist the protein synthesis inhibitors which are used as drugs.	2
		47	TAILURE TO THE TOTAL TO THE TAILURE	